

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
 SCIENTIFIC-ATLANTA, INC.
 Intell. Property Dept.
 Attn. Gardner, Kelly A.
 5030 Sugarloaf Parkway
 LAWRENCEVILLE, GA 30044
 UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT
 OR THE DECLARATION

(PCT Rule 44.1)

RECEIVED
 DEC 05 2001

SCIENTIFIC-ATLANTA, INC.
 LEGAL DEPARTMENT

Date of mailing
 (day/month/year)

29/11/2001

Applicant's or agent's file reference F-6383-PC	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 01/10874	International filing date (day/month/year) 02/04/2001
Applicant SCIENTIFIC-ATLANTA, INC.	

1. The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau.

If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Shantisaroop Pherai
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference F-6383-PC	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 01/ 10874	International filing date (day/month/year) 02/04/2001	(Earliest) Priority Date (day/month/year) 03/04/2000
Applicant SCIENTIFIC-ATLANTA, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
 - contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
- 2. **Certain claims were found unsearchable** (See Box I).
- 3. **Unity of invention is lacking** (see Box II).
- 4. With regard to the **title**,
 - the text is approved as submitted by the applicant.
 - the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

- 2 as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.
- None of the figures.

INT'L NATIONAL SEARCH REPORT

Int'l Application No
PCT/US 01/10874A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N7/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 99 52285 A (DISCOVERY COMMUNICATION INC) 14 October 1999 (1999-10-14)</p> <p>page 21, line 14 -page 25, line 14 page 43, line 22 -page 45, line 16 page 79, line 18 -page 81, line 119 page 83, line 13 -page 90, line 31 page 93, line 14 - line 25 page 103, line 3 - line 14 page 112, line 15 -page 115, line 12 page 117, line 3 -page 118, line 12 figures 7-9,12</p> <p>---</p>	1-11, 14-24, 27-54
A	<p>EP 0 838 915 A (MATSUSHITA ELECTRIC IND CO LTD) 29 April 1998 (1998-04-29)</p> <p>page 3, line 11 -page 6, line 28 figures 1-9</p> <p>---</p> <p>-/-</p>	1-54

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

23 November 2001

Date of mailing of the international search report

29/11/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Van der Zaal, R

INT'L NATIONAL SEARCH REPORT

Date Original Application No

PCT/US 01/10874

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96 17467 A (HERZ FREDERICK ; UNGAR LYLE (US); WACHOB DAVID (US); ZHANG JIAN (US) 6 June 1996 (1996-06-06) page 45, line 30 -page 48, line 11 page 49, line 16 - line 29 page 74, line 16 - line 30 page 81, line 14 -page 85, line 4 figures 1-6, 9, 10 -----	1-54

INT'LATIONAL SEARCH REPORT

Information on patent family members

Int'l Application No
PCT/US 01/10874

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 9952285	A 14-10-1999	AU CN EP WO	3377699 A 1303569 T 1068729 A1 9952285 A1	25-10-1999 11-07-2001 17-01-2001 14-10-1999
EP 0838915	A 29-04-1998	JP AU AU CN EP KR	10126752 A 705215 B2 4281897 A 1182329 A 0838915 A2 262845 B1	15-05-1998 20-05-1999 30-04-1998 20-05-1998 29-04-1998 01-08-2000
WO 9617467	A 06-06-1996	US AU AU CA EP US WO US US US US US	5758257 A 703247 B2 4410396 A 2207868 A1 0796538 A2 6020883 A 9617467 A2 5734720 A 5754938 A 5754939 A 5835087 A 6088722 A 6029195 A	26-05-1998 25-03-1999 19-06-1996 06-06-1996 24-09-1997 01-02-2000 06-06-1996 31-03-1998 19-05-1998 19-05-1998 10-11-1998 11-07-2000 22-02-2000